

## AMENDMENTS TO THE CLAIMS

Please amend the claims as indicated:

1-3. (Canceled)

4. (Currently Amended): A method for treating an inflammatory bowel disease, wherein the inflammatory bowel disease is being ulcerative colitis or Crohn's disease, said method comprising administering an effective amount of polypeptide ~~belonging to a thioredoxin superfamily~~ to a patient in need of the inflammatory bowel disease treatment

said polypeptide comprising a sequence selected from the group consisting of -Cys-Gly-Pro-Cys-, -Cys-Pro-Tyr-Cys-, -Cys-Pro-His-Cys-, and -Cys-Pro-Pro-Cys- and, said polypeptide having an activity of alleviating the symptoms of an inflammatory bowel disease.

5. (Currently Amended): The method according to Claim 4, wherein the effective amount is 1-100 mg of polypeptide thioredoxin per kg body weight of a human adult.

6-8. (Canceled)

9. (Currently Amended): The method according to Claim 4, ~~wherein the thioredoxin superfamily is an isolated peptide having thioredoxin (TRX) activity and including the sequence -Cys-Gly-Pro-Cys- (SEQ ID NO:1)~~ wherein said polypeptide is an isolated polypeptide comprising the sequence -Cys-Gly-Pro-Cys- (SEQ ID NO:1), and has an activity of alleviating the symptoms of an inflammatory bowel disease.

10. (Currently Amended): The method according to Claim 4, wherein said polypeptide the thioredoxin superfamily is in reduced form.

11. (Currently Amended): The method according to Claim 4, ~~which is in the form of solution or suspension~~ wherein a solution or a suspension comprising said polypeptide is administered.

12. (Currently Amended) The method according to Claim 4, wherein the polypeptide belonging to the thioredoxin superfamily is human thioredoxin.